

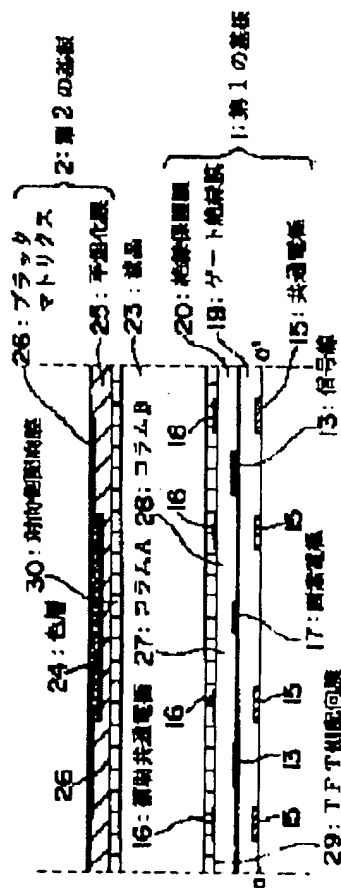
# ACTIVE MATRIX TYPE LIQUID CRYSTAL DISPLAY DEVICE

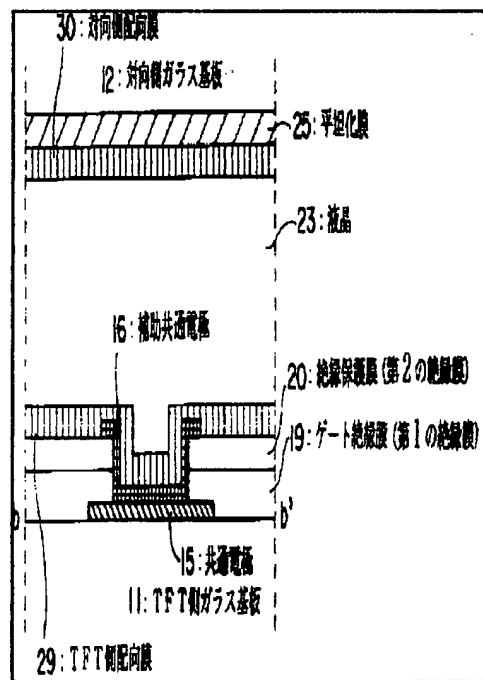
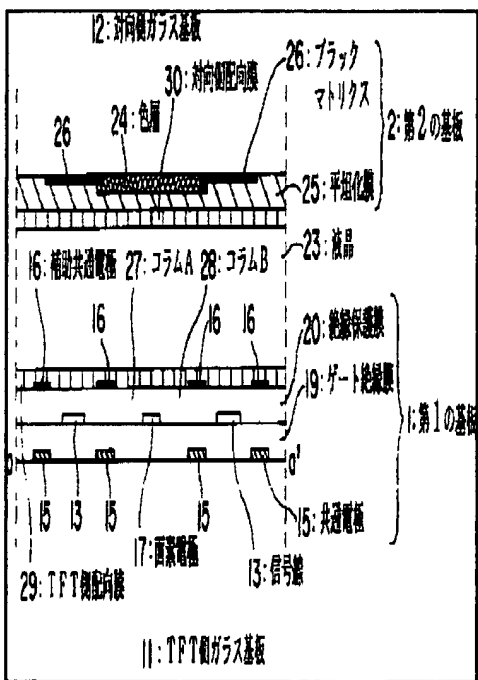
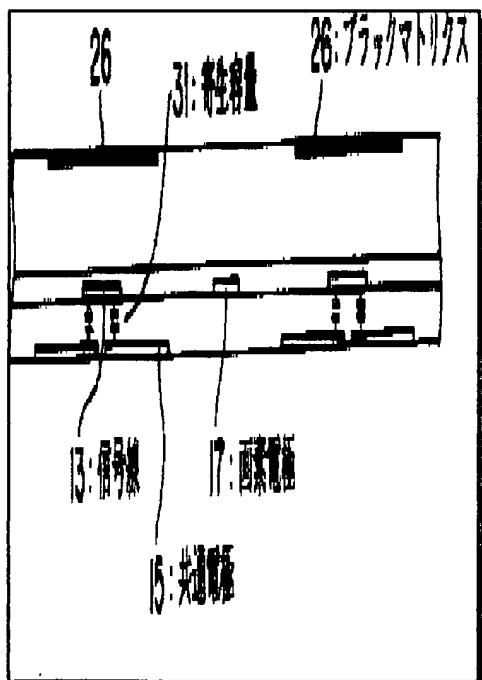
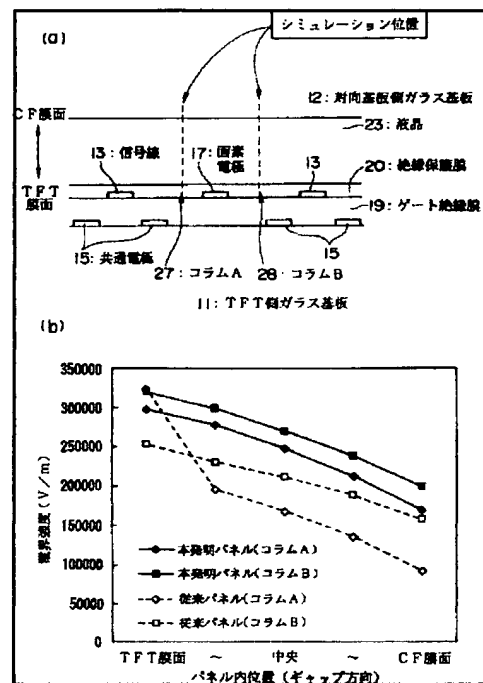
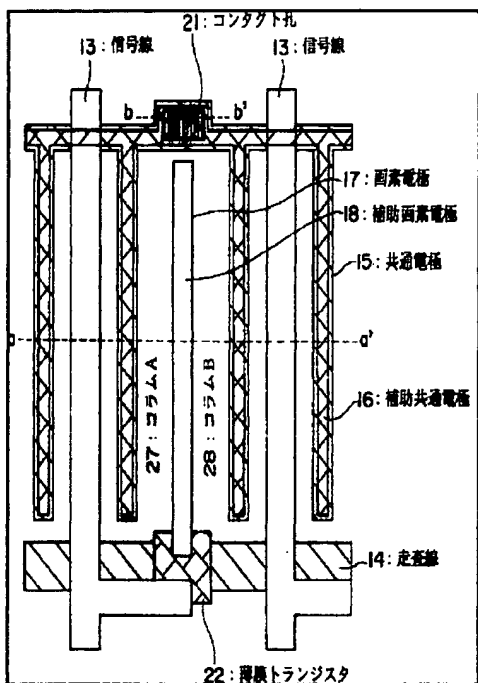
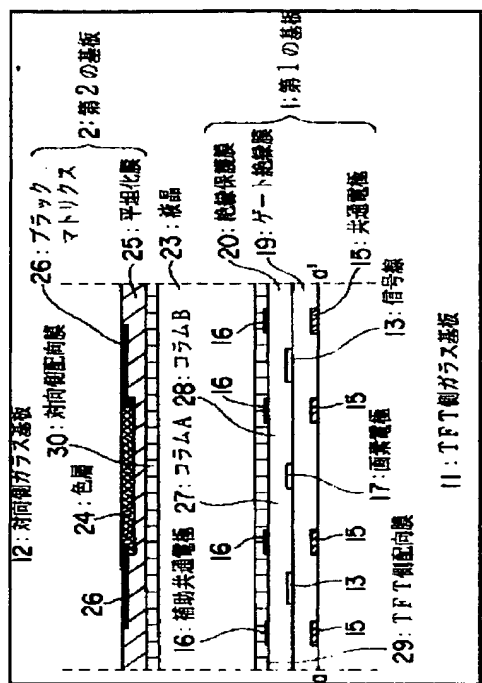
**Patent number:** JP2000056324  
**Publication date:** 2000-02-25  
**Inventor:** SHIGA SHUNSUKE, KUROBA SHOTCHU  
**Applicant:** NEC CORP.  
**Classification:**  
 - international: G02F1/1343, G02F1/136  
 - european:  
**Application number:** JP19980228348/199808-2  
**Priority number(s):**

## Abstract of JP2000056324

**PROBLEM TO BE SOLVED:** To provide a lateral electric field driven type active matrix type liquid crystal display device which is reduced in electric power by lowering the threshold without lowering the aperture rate and without sacrificing the response speed, and is reduced in display degradation due to longitudinal crosstalk.

**SOLUTION:** This liquid crystal display device has a 1st substrate 1 having a common electrode 15 extended on the substrate, a 1st insulating film 19 provided on the common electrode 15, a pixel electrode 17 provided on the 1st insulating film 19 and arranged in parallel to and separately from the common electrode 15, and a 2nd insulating film 20 provided on the pixel electrode 17 and a 2nd substrate 2 provided opposite the 1st substrate 1 across a liquid crystal layer 23. In this case, an auxiliary common electrode 16 is formed on the 1st insulating film 19 or 2nd insulating film 20 while overlapping with the common electrode 15, and the auxiliary common electrode 16 and common electrode 15 are electrically connected to each other.





NOTE: ADDITIONAL FIGURES ARE AVAILABLE ON-LINE AT <http://ep.espacenet.com> but could not be printed. See Mosaic tab.